Map of parcels at 53 kft on 07071718 influenced by convection 0.0 to 2.5 days earlier Squares indicate location of convectively influenced air -- influence calculated only within black box Crosses indicate locations where back trajectories from squares intersect convection. Cross, square, and trajectory colors indicate elapsed time between convection and 07071718 <u>2</u>.5 2.0 Days Since Convection 1.0 0.5 0.0 NASA/ARC **PSL** Last Image Used is 0707171715 49 Trajectories

Map of parcels at 53 kft on 07071718 influenced by convection 2.5 to 5.0 days earlier Squares indicate location of convectively influenced air -- influence calculated only within black box Crosses indicate locations where back trajectories from squares intersect convection. Cross, square, and trajectory colors indicate elapsed time between convection and 07071718 5.0 4.5 Days Since Convection 3.5 3.0 2.5 NASA/ARC **PSL** Last Image Used is 0707171715 49 Trajectories

Map of parcels at 53 kft on 07071718 influenced by convection 5.0 to 7.5 days earlier Squares indicate location of convectively influenced air -- influence calculated only within black box Crosses indicate locations where back trajectories from squares intersect convection. Cross, square, and trajectory colors indicate elapsed time between convection and 07071718 7.5 7.0 Days Since Convection 6.0 5.5 5.0 NASA/ARC **PSL** Last Image Used is 0707171715 49 Trajectories

Map of parcels at 53 kft on 07071718 influenced by convection 7.5 to 10.0 days earlier Squares indicate location of convectively influenced air -- influence calculated only within black box Crosses indicate locations where back trajectories from squares intersect convection. Cross, square, and trajectory colors indicate elapsed time between convection and 07071718 10.0 9.5 Days Since Convection 9.0 8.5 8.0 7.5 NASA/ARC **PSL** Last Image Used is 0707171715 49 Trajectories